

Sustainable Fleet Accreditation – A Tool to Drive Climate Action

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Energy, Emissions, Efficiency



...the new high ground for fleets



CALSTART is a national, non-profit, clean transportation organization.

Mission:

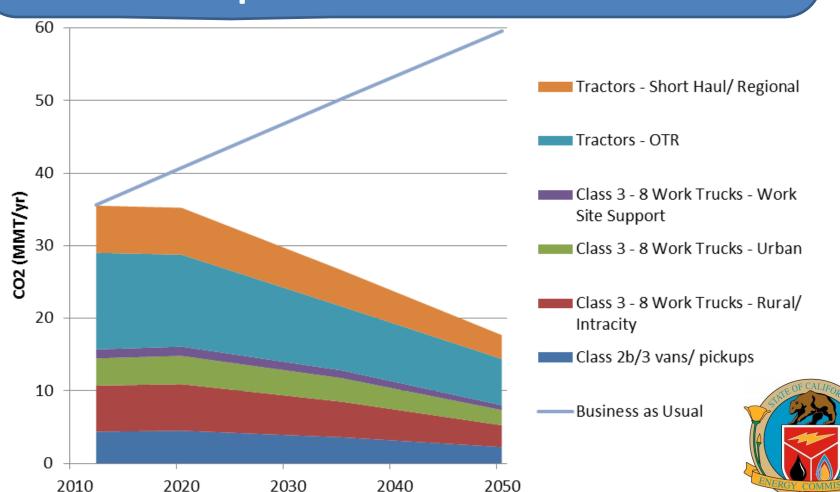
Support and expand clean transportation technology industry

Tech and fuel neutral

Goals:

- Create high-quality jobs;
- Clean the air;
- Reduce dependence on foreign oil; and
- Reduce global warming emissions

There is a pathway for at least 70% GHG emission reductions by 2050. What's needed? Strong standards plus additional public investment.











CALSTART Initiatives on NOx & GHG



Tech Options:



Road Connected Power



Full Battery Electric



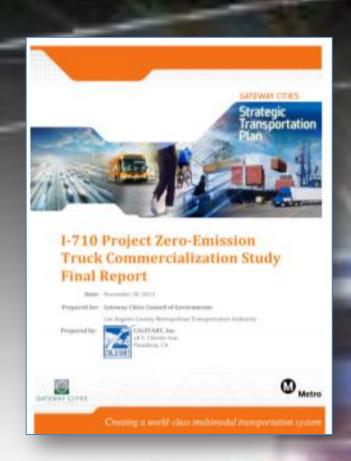
Dual-Mode Hybrid (w/ ZE mode)



Series Electric/ Range Extender



Near-ZE NG Engines



Key role in defining I-710 E-Truck Corridor Technologies and Commercialization Plan



A "LEED" for Fleet

- Developed with NAFA nation's major fleet manager organization – BY AND FOR FLEETS
- Sets a standard to measure fleet progress against specific reduction targets – apples to apples – the "LEED" of Fleet
- Metrics: reduce fuel use; reduce climate and criteria emissions; increase efficiency
- Provides independent review of fleet progress gives guidance on strategies – but encourages innovation
- Officially enrolling fleets NOW

IN A NUTSHELL – It's About Results

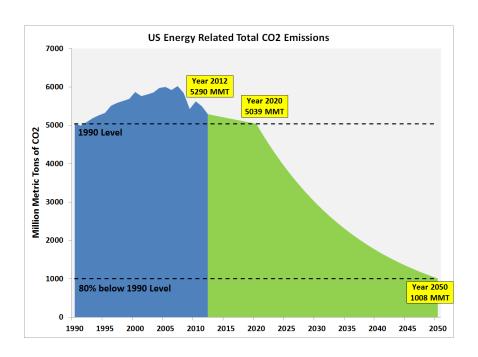
- The NAFA Sustainable Fleet Accreditation
 Program measures a fleet's real actions and progress against meaningful sustainability metrics
- These sustainability metrics have been set as reduction rates in emissions and fuel use, and improvement rates in efficiency
- The rates stem from national and global goals against which fleets can take action

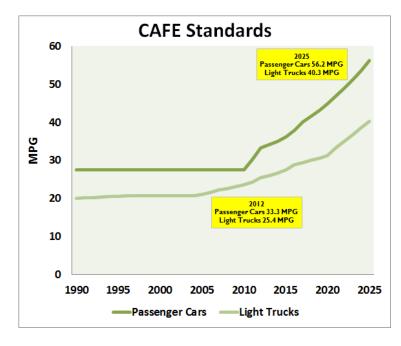
What It Is Based On *Meaningful Actions*



- Measure Outcomes FLEETS Can Control
 - ENERGY Reducing Fuel/Carbon (GHG reduction, including fuel switching)
 - EMISSIONS Air Quality (Criteria emission reduction)
 - FUEL EFFICIENCY Increasing Fuel Efficiency (using MPG or an alternative measurement meaningful to the fleet)

Rates: Tied to Global, National Goals





EXAMPLES

- GHG avg reduction/year = 4.2%
- NOx avg reduction/year = 15.7%
- PM avg reduction/year = 18.5%
- Fuel econ avg increase/year = + 4.9%



Sustainable Fleet: 4 Tiers of Progress

Accredited Sustainable Fleet – Tier 4

Fuel/GHG/emissions baseline, plan; demonstrate
Outstanding actions/reductions; based on measured
data; plus points for activities

Accredited Sustainable Fleet – Tier 3

Fuel/GHG/emissions baseline; demonstrate Significant actions/reductions; based on measured data; plus points for activities

Accredited Sustainable Fleet – Tier 2

Fuel/GHG/emissions baseline and plan; demonstrate Meaningful actions/reduction; based on measured data; plus points for activities

Accredited Sustainable Fleet – Tier 1

Establish fleet fuel/GHG/emissions baseline; develop and provide sustainable fleet plan; show Progress via actions/ reduction based on data and points for activities

Committed Sustainable Fleet

Establish minimum fleet fuel/GHG/emissions baseline; develop and provide basic sustainable fleet plan; demonstrate Commitment to sustainability

How it Works



- Fleets are "scored" based on how meaningful their actions are.
- Points are set based on the difficulty and sustainability value of their actions
- How? Fleets are measured and score points based on how close they get to meeting these rates – how well they improve over time
- The main framework is based on comparing a fleet's earlier Baseline year fuel and emissions with the current Reporting year to measure and assess change

Additional Points



- Fleets can also earn points for setting in place fuel monitoring and reduction programs, use of alternative fuel and advanced vehicles and fleet modernization (which all drive fuel reduction)
- Any fleet can start with just one year of data and a sustainability plan to begin the process.
- There is no one way to succeed fleets are encouraged to be innovative to meet the metrics.

How Fleets Earn Points



Program Elements

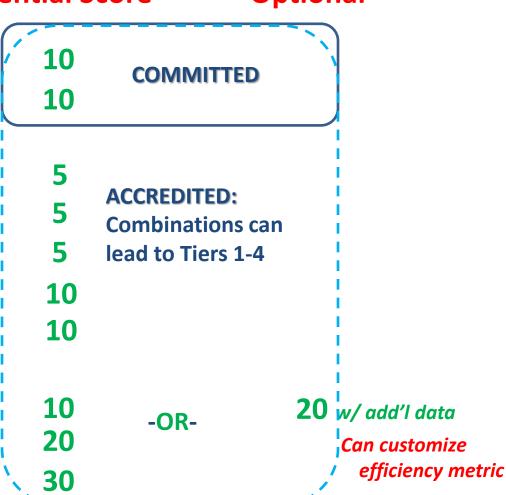
Potential Score

Optional

Fleet Reduction Plan
Baseline Fuel Use

Idle Reduction
Driver Training
Vehicle Fuel Tracking
Alt/Advanced Vehicles
Alt Fuel Use

Emissions Reduction Efficiency Fuel Reduction



The Process



NAFA Sustainable Fleet Accreditation Form

Version: NAFA_Sustainable_Fleet_Accreditation_Form_v2.4

Last updated: 23-Oct-14

Overview:

The NAFA Sustainable Fleet Accreditation program is designed to recognize and reward fleets that are taking significant steps to incorporate sustainable actions into their everyday operations. Fleets will be awarded one of four. Hers based on the total number of points earned in the rating process. A minimum of 20 points is required to enter the program and receive an entry-level designation as a NAFA Committed Sustainable Fleet (out of a maximum of 125 points available).

Instructions:

- All applicants must fully complete the User Info and Sustainable Fleet Plan tabs and report one year of fleet data (fuel used and fleet vehicle characteristics) to enter the program and receive an entry-level award as a NAFA Committed Sustainable Fleet.
- Applicants who wish to achieve accreditation should additionally complete the remaining tabs to illustrate
 an increase in efficiency or a reduction in emissions over a chosen time period.
- 3) All applicants will receive a copy of their "fleet Keport Card" after an initial review of the application.
- 4) NAFA will provide a final accreditation level once the applicant has submitted the application and supporting documents and the review process is complete.

Lable of Contents:

User Information	Collect user contact information and general fleet data. Necessary to achieve an award as a NAFA Committed Sustainable Fleet.
Sustainable Rest Man	Collect austribable fleet plan that documents multi-year fleet spale to reduce or impact fuel use, emissions and efficiency and actionable steps to achieve them. Necessary to achieve award as a NASA Committed Sustainable Fleet.
SMiclant Oriver Training	Collect documents showing that the fleet trained drivers for eco-driving; additional points available for actions to track, enforce or reward efficient driving.
Idle Reduction	Collect documents showing that the fleet has implemented anti-idling policy; additional points available for actions to track, enforce or reward title reduction.
Vehicle Ruel Tracking	Collect documents showing that the fleet tracks fuel / miles from its vehicles.
Fuel Data	Collect fuel consumption information for the reporting and baseline (F spoilcable) years.
Sazeline Year Data	Collect fleet information (number of vehicles, total distance driven by weight class, model year and advanced fuel/technology) for the baseline year/you select. Must be a full year of data; can be as much as five years orion to your reporting year.
Reporting Year Data	Collect fleet information (number of vehicles, total distance driven by weight class, model year and advanced fuel/technology) for the reporting year. Must be a full year of data; normally your most recent completed year.

- Data collection tool walks you through a step by step process to complete
- Excel-based
 data forms start
 simple but can
 be expanded to
 capture more
 detail

Example Fleet

Improvement Measured

Fuel Use & Vehicle Data

Baseline Year

(First time, up to 3 years before Reporting Year)

Fuel Use & Vehicle Data

NEW
Baseline Year
(previous reporting point)

Fleet Sustainability Plan Documentation

Documentation

Documentation

of Actions

ACCREDITED

Sustainable

= Fleet

Tier 1-4

Accreditation valid for two years

After two years, fleet must re-accredit; the last reporting year then becomes the baseline

Sustainable Fleet *Tiers*

Accredited Sustainable Fleet – Tier 4

Fuel/GHG/emissions baseline, plan; demonstrate
Outstanding actions/reductions; based on measured
data; plus points for activities

≥80 points

Accredited Sustainable Fleet – Tier 3

Fuel/GHG/emissions baseline; demonstrate Significant actions/reductions; based on measured data; plus points for activities

≥60 Points

Accredited Sustainable Fleet – Tier 2

Fuel/GHG/emissions baseline and plan; demonstrate Meaningful actions/reduction; based on measured data; plus points for activities

≥40 oints

Accredited Sustainable Fleet – Tier 1

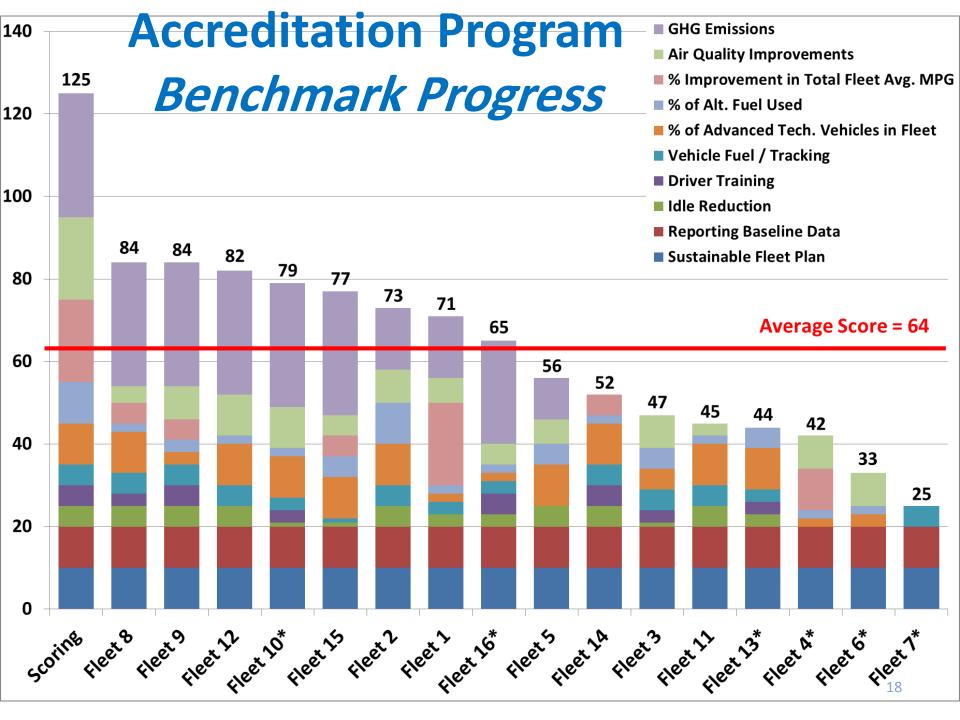
Establish fleet fuel/GHG/emissions baseline; develop and provide sustainable fleet plan; show Progress via actions/ reduction based on data and points for activities

Committed Sustainable Fleet

>20 Points

>26 Points

Establish minimum fleet fuel/GHG/emissions baseline; develop and provide basic sustainable fleet plan; demonstrate Commitment to sustainability



Why Fleets Are Taking Part



- Prove to customers they are sustainable; competitive advantage; get contracts
- Provides an objective review from an industry expert; well considered scoring metrics
- Makes the internal case for funding, fleet sustainability decisions stronger with corporate decision makers
- Provides a framework for making decisions about how to move forward
- Demonstrates that a company is doing what it is saying

Goals – Model for Change

- ENCOURAGE ENGAGEMENT Allows any fleet to enter the program and take first level of activity; has benefits for taking first action
- DRIVE REAL ACTION The program is based on real outcomes from actions fleets take
- PROVIDE LEVELS OF EFFORT Easy to Hard –
 Provides a tiered approach; encourages fleets to engage at base level that is not overly complex but provides increasing sophistication at higher levels
- BE FLEXIBLE Does not proscribe specific actions to achieve outcomes, but allows fleet innovation, custom plan for its unique case

Sustainable Fleet Accreditation Program



- NAFA's Sustainable Fleet Accreditation
 Program provides the methodology and tools to help measure fleet efficiency, fuel reduction, and emission reduction, and track improvements over time
- The Program also serves as a guide and structure for continual improvement
- Powerful, voluntary tool for fleets to lead the climate charge.

